

LISTING OF THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Previously presented) A climate chamber comprising
a housing defining a climate compartment,
an analysis device arranged at least partially in the climate compartment
for analyzing the sample, and
an inlet opening provided in the housing for supplying a conditioning
medium flow,
wherein the medium flow flows at least partially against the analysis
device and/or a sample carrier arranged in the climate compartment.
2. (Previously presented) The climate chamber according to claim 1, further
comprising a directing device for directing the medium flow.
3. (Previously presented) The climate chamber according to claim 1, wherein
said medium flow is directed such that the medium flow flows against a lower side of the
sample carrier.
4. (Previously presented) The climate chamber according to claim 1, wherein
said inlet opening is arranged laterally offset below the sample carrier when the sample
carrier is horizontally arranged.
5. (Previously presented) The climate chamber according to claim 1, further
comprising an approach flow angle (α) of 30°-60° relative to the sample carrier.
6. (Previously presented) The climate chamber according to claim 1, wherein
said medium flow is directed such that at least 50 %-70 % of the medium flow flows
against the analysis device and/or the sample carrier.

7. (Previously presented) The climate chamber according to claim 1, further comprising condensate-sensitive components of the analysis device being located in the medium flow.

8. (Previously presented) The climate chamber according to claim 1, further comprising a temperature sensor arranged near the sample carrier.

9. (Previously presented) The climate chamber according to claim 1, further comprising an outlet opening provided in the housing, wherein said outlet opening being arranged substantially opposite the inlet opening.

10. (Previously presented) The climate chamber according to claim 1, wherein the housing is configured such that it promotes an optimum flow.

11. (Previously presented) The climate chamber according to claim 1, further comprising adjacent housing walls arranged at an angle of at least 90° relative to each other.

12. (Currently amended) The climate chamber according to claim 1 having a [[A]] climate control system comprising a climate chamber, said climate chamber comprising a housing defining a climate compartment, an analysis device arranged at least partially in the climate compartment for analyzing the sample, and an inlet opening provided in the housing for supplying a conditioning medium flow, wherein the medium flow flows at least partially against the analysis device and/or a sample carrier arranged in the climate compartment,

wherein the inlet opening has connected therewith a climate control device; a channel through which flows a gaseous medium which is to be conditioned; a steam chamber having an inlet opening and an outlet opening connected with said channel; a steam generator connected with said steam chamber; and a controller arranged at the inlet opening and/or the outlet opening for controlling the quantity of steam fed from the steam chamber to the channel.

13. (Previously presented) The climate control system according to claim 12, wherein said controller is adapted to control the opening cross section of the inlet opening and/or the outlet opening.

14. (Previously presented) The climate control system according to claim 12, wherein the inlet opening is connected with the channel such that a portion of the medium to be conditioned flows into the steam chamber.

15. (Previously presented) The climate control system according to claim 12, wherein the steam generator comprises a heater for heating the medium to be evaporated.

16. (Previously presented) The climate control system according to claim 12, further comprising a flow-producer for producing the medium flow in the channel.

17. (Previously presented) The climate control system according to claim 12, further comprising a filter connected with the channel

18. (Previously presented) The climate control system according to claim 12, further comprising a conditioner connected with the channel.